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2011 Aerospace Medical Certification Statistical Handbook



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16 Abstract

Introduction. The annual Aerospace Medical Certification Statistical Handbook reports descriptive characteristics of all active U.S. civil aviation airmen and the aviation medical examiners (AMEs) that perform the required medical examinations. The 2011 annual handbook documents the most recent and most widely relevant data on active civil aviation airmen and AMEs.

Methods. Medical certification records from 2006-2011 were selected from the Document Imaging Workflow System (DIWS), which is the FAA medical certification database. All medical data were abstracted from the most recent medical examinations with the exception of medical conditions which were historical and current. Only those with a non-expired medical certificate remained in the dataset. AME records were selected from the Aviation Medical Examiner Information System (AMEIS). The current status of each AME was determined for each year of the study period from 2009-2011, retaining only those with an active status.

Airman variables include age, issued and effective medical classes, height, weight, BMI, gender, select medical conditions, special issuances, and FAA region of residence. AME variables include AME type, age, gender, medical specialty, pilot license status, senior examiner status, and region.

Results. Airmen: As of December 31, 2011, there were 594,912 medically certified airmen age 16 and older, and 32.0%, 21.8%, and 46.2% were issued a Class 1, Class 2, and Class 3 medical certificate, respectively. Across all medical classes, the average age was 42.7 years, and 93.4% of the airmen were male. The mean BMI for both females and males was 24.2 and 27.2, respectively. Seven percent of issued certificates required a special issuance. The most commonly reported medical condition was hypertension with medication at 11.1%.

AMEs: Of the 3,474 active AMEs, 94.2% were civilian, 2.2% federal, and 3.6% military. Nearly 50% reported their medical specialty as family practice. Their average age was 59.9 years; the majority (52.2%) did not hold a pilot license, and 81.8% were male.

Summary. This report contains widely requested data on the active U.S. civil airman population. This report is updated annually and is used by the aerospace community, including FAA leadership, aerospace researchers, advocacy groups, legislative staff, and the general public.

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FOREWORD

2011 Aerospace Medical Certification Statistical Handbook

INTRODUCTION

The annual Aerospace Medical Certification Statistical Handbook reports descriptive characteristics of all active U.S. civil aviation airmen and the aviation medical examiners (AMEs) that perform the required medical examinations. The 2011 annual handbook documents the most recent and most widely relevant data on active civil aviation airmen and AMEs.

METHODS

Medical certification records from 2006-2011 were selected from the Document Imaging Workflow System (DIWS), which is the FAA medical certification database. All medical data were abstracted from the most recent medical examinations with the exception of medical conditions which were historical and current. Only those with a non-expired medical certificate remained in the dataset.

AME records were selected from the Aviation Medical Examiner Information System (AMEIS). The current status of each AME was determined for each year of the study period from 2009-2011, retaining only those with an active status.

Airman variables include age, issued and effective medical classes, height, weight, BMI, gender, select medical conditions, special issuances, and FAA region of residence. AME variables include AME type, age, gender, medical specialty, pilot license status, senior examiner status, and region.

RESULTS

Airmen: As of December 31, 2011, there were 594,912 medically certified airmen age 16 and older, and 32.0%, 21.8%, and 46.2% were issued a Class 1, Class 2, and Class 3 medical certificate, respectively. Across all medical classes, the average age was 42.7 years and 93.4% of the airmen were male. The mean BMI for both females and males was 24.2 and 27.2 respectively. Seven percent of issued certificates required a special issuance. The most commonly reported medical condition was hypertension with medication at 11.1%.

Aviation medical examiners: Of the 3,474 active AMEs, 94.2% were civilian, 2.2% federal, and 3.6% military. Nearly 50% reported their medical specialty as family practice. Their average age was 59.9 years; the majority (52.2%) did not hold a pilot license, and 81.8% were male.

SUMMARY

This report contains widely requested data on the active U.S. civil airman population. This report is updated annually and is used by the aerospace community, including FAA leadership, aerospace researchers, advocacy groups, legislative staff, and the general public.

SECTION I. AVIATION MEDICAL EXAMINERS

This section characterizes the aviation medical examiners during 2011 with some comparative data from 2009 and 2010. All analyses represent data through December 31, 2011 unless otherwise noted. Data may slightly fluctuate annually from systematic changes and corrections to the records.

An aviation medical examiner (AME) is a physician authorized by the Federal Aviation Administration (FAA) to perform airmen physical examinations for issuance of FAA medical certificates. These physicians are designated according to the geographical distribution of airmen. There are also military facilities (installations) designated to perform FAA airmen examinations of military personnel for issuance of second- and third-class certificates.

AME seminars are held in each region and at Oklahoma City's Civil Aerospace Medical Institute to acquaint these physicians with the regulations and procedures governing the issuance of FAA medical certificates.

Table 1. FAA Aviation Medical Examiners by Year and Type

AME Type	ME Type		2011 Number (Percent of Total)
Civilian	3,351	3,400	3,274
	(93.8)	(93.1)	(94.2)
Federal	80	85	76
	(2.2)	(2.3)	(2.2)
Military	140	166	124
	(3.9)	(4.6)	(3.6)
Total	3,571	3,651	3,474

Table 2. Designated FAA Aviation Medical Examiners by Year and Region

Region	Newly Appointed Number (Percent of Total by Year)			All Active Number (Percent of Total by Year)		
	2009	2010	2011	2009	2010	2011
Alaskan	3	3	1	66	68	65
	(2.1)	(2.0)	(0.8)	(1.9)	(1.9)	(1.9)
Central	8	10	2	184	186	176
	(5.6)	(6.8)	(1.6)	(5.2)	(5.1)	(5.1)
Eastern	6	8	2	391	389	377
	(4.2)	(5.4)	(1.6)	(11.0)	(10.7)	(10.9)
Federal/Official	7	4	3	102	109	98
	(4.9)	(2.7)	(2.5)	(2.9)	(3.0)	(2.8)
Great Lakes	15	13	13	516	514	492
	(10.5)	(8.8)	(10.7)	(14.5)	(14.1)	(14.2)
International	13	21	25	295	314	319
	(9.1)	(14.3)	(20.5)	(8.3)	(8.6)	(9.2)
Military	31	27	25	130	159	114
	(21.7)	(18.4)	(20.5)	(3.6)	(4.4)	(3.3)
New England	6	7	2	112	118	117
	(4.2)	(4.8)	(1.6)	(3.1)	(3.2)	(3.4)
Northwest Mountain	12	11	12	359	359	345
	(8.4)	(7.5)	(9.8)	(10.1)	(9.8)	(9.9)
Southern	17	17	14	702	712	678
	(11.9)	(11.6)	(11.5)	(19.7)	(19.5)	(19.5)
Southwest	20	16	20	421	423	412
	(14.0)	(10.9)	(16.4)	(11.8)	(11.6)	(11.9)
Western-Pacific	5	10	3	293	300	281
	(3.5)	(6.8)	(2.5)	(8.2)	(8.2)	(8.1)
Total	143	147	122	3571	3651	3474

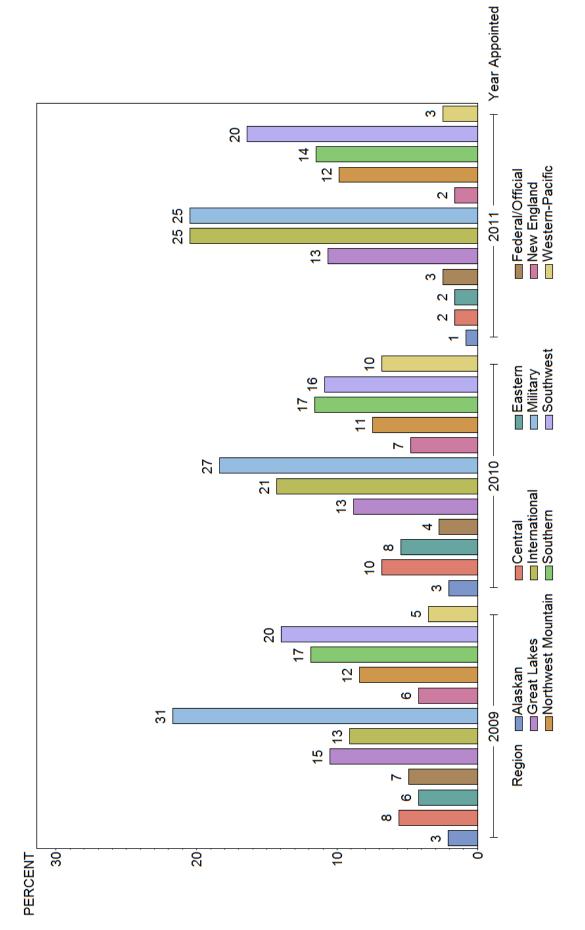


Figure 1. Distribution of Newly Appointed FAA Aviation Medical Examiners by Region and Year

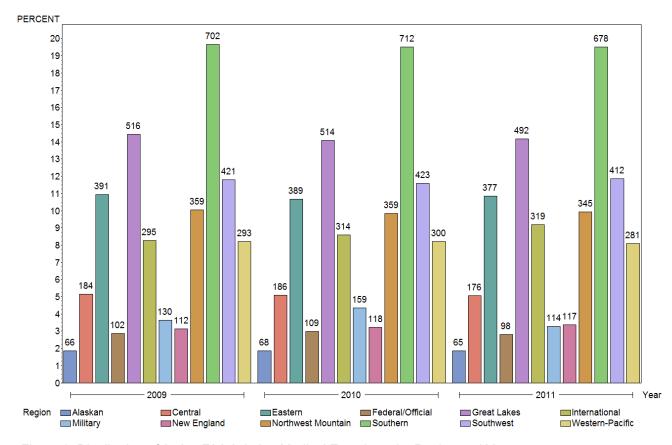


Figure 2. Distribution of Active FAA Aviation Medical Examiners by Region and Year

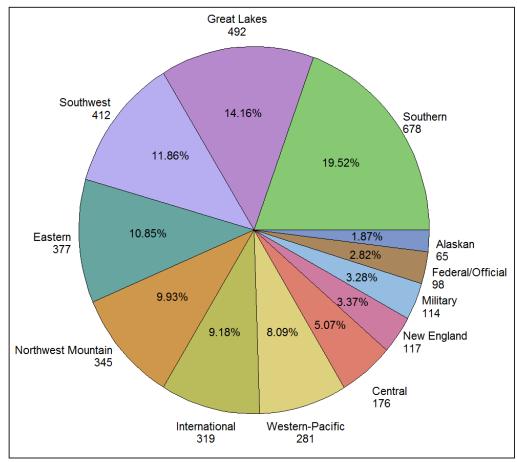


Figure 3. Distribution of Active FAA Aviation Medical Examiners by Region

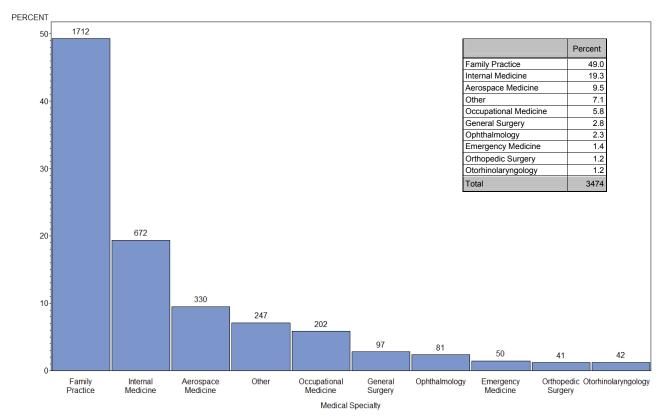


Figure 4. Medical Practice Specialty of Active FAA Aviation Medical Examiners

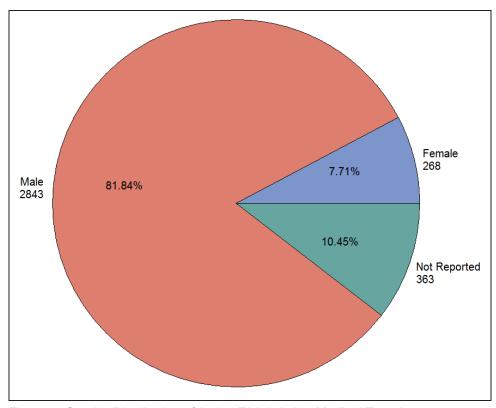


Figure 5. Gender Distribution of Active FAA Aviation Medical Examiners

Table 3. Pilot License Type of Active Aviation Medical Examiners

Pilot License Type	Number (Percent)
Commercial – Instrument Flight Rules	162 (4.7)
Commercial	87 (2.5)
Private – Instrument Flight Rules	134 (3.9)
Private	1102 (31.7)
Student	137 (3.9)
Other	40 (1.2)
None	1812 (52.2)
Total	3474

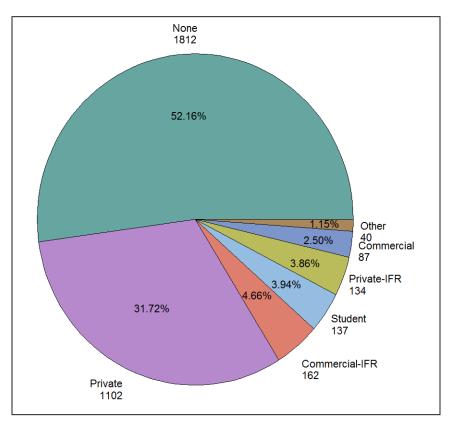


Figure 6. Pilot License Type of Active FAA Aviation Medical Examiners

Table 4. Senior Examiner Status of Active Aviation Medical Examiners

Senior Examiner	Number (Percent)
Yes	2123 (61.1)
No	1351 (38.9)
Total	3474

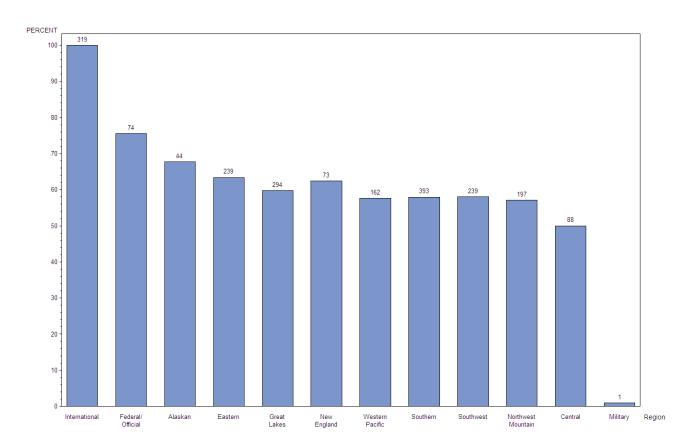


Figure 7. Senior Examiner Status of Active FAA Aviation Medical Examiners by Region

Table 5. Age by Gender of Active FAA Aviation Medical Examiners

		Number	Mean	Median	Standard Deviation	Minimum	Maximum
Overall		3474	59.9	59.6	11.1	28.7	93.4
Gender	Female	268	52.3	52.7	8.9	32.2	82.2
	Male	2843	60.3	59.8	11.2	28.7	93.4
	Not Reported	363	62.8	62.6	9.5	36.0	88.8

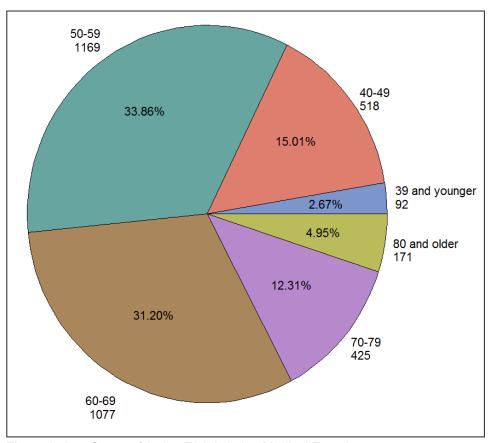


Figure 8. Age Group of Active FAA Aviation Medical Examiners

SECTION II. AIRMAN MEDICAL CERTIFICATION

The Aerospace Medical Certification Division is the central screening facility and repository within the Federal Aviation Administration for the collection, investigation, adjudication, and analysis of medical data.

Activities of the Aerospace Medical Certification Division are presented in this section. Data are presented by calendar year and represent the most recent medical examination data for all active civil aviation airmen in the United States and its territories as of December 31, 2011. Data may slightly fluctuate annually from systematic changes and corrections to the records.

Class issued represents the medical class certificate that was issued at the time of the examination. As of July 24, 2008, if the airman is under 40, first- and second-class certificates are valid for 1 year, and third-class certificates are valid for 5 years. If the airman is 40 and older, first-class certificates are valid for 6 months, second-class for 1 year, and third-class for 2 years. The length of certificate validity varies for those requiring a special issuance.

Effective medical class is determined by class issued, the age of the airman, time since exam, and whether the airman had a time limited certificate. A certificate can be issued as a higher class (i.e. first-class) and become valid as a lower class certificate (i.e. third-class) as the validity period expires for each higher class.

All medical data were abstracted from the most recent medical examinations with the exception of medical conditions. Medical conditions are determined by whether the airman has ever reported the condition on any past or current medical examination. Body mass index (BMI) classifications are as follows: Underweight (less than 18.5), Normal (18.5 to 24.9), Overweight (25 to 29.9), and Obese (greater than or equal to 30).

Table 6. Number of Medical Applications Processed by Year

		D 101
		Percent Change
	Number of	From Previous
Year	Applications	Year
2001	454,430	N/A
2002	444,214	-2.2
2003	444,732	0.1
2004	444,250	-0.1
2005	438,415	-1.3
2006	440,269	0.4
2007	452,592	2.8
2008*	425,259	-6.0
2009	397,163	-6.6
2010	394,695	-0.6
2011	400,069	1.4

^{*}Policy change July 24, 2008 lengthened the time of certificate validity for those under 40 years of age.

Table 7. Issued and Effective Medical Class by Region

		First				Second		Third	rd		Total	Total Active Airmen		
		Effe	Effective Class	s		Effective Class	Class		Effective Class			Effe	Effective Class	
	1st Class				2nd			3rd		Total	Percent			
Region *	Certified	~	2	က	Certified	2	3	Certified	3	Certified	Airmen	~	2	3
Alaskan	1,923	1,473	159	291	2,202	1,457	745	4,020	4,020	8,145	4.1	1,473	1,616	5,056
Central	4,816	3,204	206	1,106	5,822	3,559	2,263	13,632	13,632	24,270	4.1	3,204	4,065	17,001
Eastern	18,972	12,926	1,519	4,527	13,517	7,362	6,155	32,817	32,817	65,306	11.0	12,926	8,881	43,499
Great Lakes	26,511	18,104	1,849	6,558	15,378	8,899	6,479	39,789	39,789	81,678	13.7	18,104	10,748	52,826
New England	6,198	4,364	449	1,385	4,089	2,369	1,720	10,825	10,825	21,112	3.6	4,364	2,818	13,930
Northwest-Mountain	18,725	12,700	1,529	4,496	15,315	8,523	6,792	27,840	27,840	61,880	10.4	12,700	10,052	39,128
Southern	42,821	30,157	3,723	8,941	26,186	16,036	10,150	51,388	51,388	120,395	20.3	30,157	19,759	70,479
Southwest	21,251	14,778	1,788	4,685	17,242	10,462	6,780	32,427	32,427	70,920	11.9	14,778	12,250	43,892
Western-Pacific	23,771	15,512	2,173	980'9	19,789	11,566	8,223	43,196	43,196	86,756	14.6	15,512	13,739	57,505
US Total	164,988	113,218	13,695	38,075	119,540	70,233	49,307	255,934	255,934	540,462	6.06	113,218	83,928	343,316
Military	13	0	0	13	2,174	899	1,506	5,396	5,396	7,583	1.3	0	899	6,915
International	24,896	10,226	1,891	12,779	7,936	3,217	4,719	13,437	13,437	46,269	7.8	10,226	5,108	30,935
Total	189,897	123,444	15,586	50,867	129,650	74,118	55,532	274,767	274,767	594,314	100	123,444	89,704	381,166
Percent of Total Certified Airmen	32.0				21.8			46.2			100.0	20.8	15.1	64.1

* 598 airmen with unknown region

Table 8. Issued Medical Class by State of Residence and Gender

Artsona 382 6.075 271 3.678 612 7.502 1.265 17.255 California 945 12.677 874 1.281 2.570 2.8809 4.389 5.8867 Colorado 509 5.787 196 2.2009 6.48 6.006 1.251 14.602 Colorado 509 5.787 196 2.2009 6.48 6.006 1.251 14.602 Colorado 509 5.787 196 2.2009 6.48 6.006 1.251 14.602 Colorado 509 5.787 196 2.2009 6.48 6.006 1.251 14.602 Colorado 509 5.787 196 2.2009 6.48 6.006 1.251 14.602 Colorado 1.092 15.500 6.4 915 175 2.505 329 5.010 Delaware 26 381 9 306 43 596 78 1.253 6.695 1.000 1				legued Mo	dical Class				
Salta of Residence Female Male Female Fema		Fi	rst			Th	ird	Total A	Airmen
Alabams	State of Residence *								
Alaska									
Artsona 382 6.075 271 3.678 612 7.502 1.265 17.255 California 945 12.677 874 1.281 2.570 2.8809 4.389 5.8867 Colorado 509 5.787 196 2.2009 6.48 6.006 1.251 14.602 Colorado 509 5.787 196 2.2009 6.48 6.006 1.251 14.602 Colorado 509 5.787 196 2.2009 6.48 6.006 1.251 14.602 Colorado 509 5.787 196 2.2009 6.48 6.006 1.251 14.602 Colorado 509 5.787 196 2.2009 6.48 6.006 1.251 14.602 Colorado 1.092 15.500 6.4 915 175 2.505 329 5.010 Delaware 26 381 9 306 43 596 78 1.253 6.695 1.000 1								713	7,432
Artensas 55 886 40 1.393 152 2.373 247 4.652 California 945 12,677 874 12,381 2.570 28,809 4.389 5.38,867 Colorado 509 5.787 196 2.809 546 6.006 1.251 14,602 Connecticut 90 1.590 64 915 176 2.505 329 5.010 District of Columbia 8 97 9 71 339 291 56 4.50 5.010 District of Columbia 8 97 9 71 339 291 56 4.50 5.010 Ceorgia 357 7.397 194 3.389 481 6.835 1.052 17.611 Hawaii 131 1.218 82 720 77 636 220 2.574 Idaho 36 747 81 1.328 188 2.297 305 4.372 Illinois 437 5.599 209 2.929 537 7.066 1.133 15.594 Indiana 190 2.992 88 1.620 2.844 4.446 552 9.058 Indiana 190 2.992 88 1.620 2.844 4.446 552 9.058 Indiana 190 2.992 88 1.620 2.844 4.446 552 9.058 Indiana 190 2.946 62 62 9.03 172 2.323 360 5.688 Kentucky 126 2.463 62 9.03 172 2.323 360 5.688 Marylandian 52 1.181 69 1.689 148 2.399 2.599 5.249 Marylandi 95 1.762 133 1.542 438 3.843 431 4.518 4.51									17,255
California 945 12,677 874 12,381 2,570 28,809 4,389 53,867 Colorado 509 5,587 196 2,809 546 6,006 1,251 14,600 Connecticut 90 1,890 644 915 175 2,505 329 5,010 Delaware 26 361 9 306 43 596 78 1,263 District of Columbia 8 97 9 71 39 291 56 489 Florida 1,092 18,125 666 13,328 1,671 18,442 3,429 46,895 Georgia 357 7,397 194 3,389 461 6,835 1,022 17,611 Hawaii 131 1,218 82 720 77 636 290 2,574 Hawaii 131 1,218 82 720 77 636 290 2,574 Hawaii 131 1,218 82 720 77 636 290 2,574 Hawaii 190 2,992 88 1,600 2,894 4,446 562 9,058 Hindiana 190 2,992 88 1,600 284 4,446 562 9,058 Hindiana 190 2,992 88 1,600 284 4,446 562 9,058 Hindiana 190 2,992 18,8 1,600 284 4,446 562 9,058 Hindiana 190 2,992 18,8 1,600 284 4,446 562 9,058 Mindiana 190 2,992 18,8 1,600 284 4,446 562 9,058 Mindiana 190 2,992 18,8 1,600 284 4,446 562 9,058 Mindiana 190 2,992 18,8 1,600 284 4,446 562 9,058 Mindiana 190 2,992 18,8 1,600 284 4,446 562 9,058 Mindiana 190 2,992 18,8 1,600 284 4,446 562 9,058 Mindiana 190 2,992 18,8 1,600 284 4,446 562 9,058 Mindiana 190 2,992 18,8 1,600 284 4,446 562 9,058 Mindiana 190 2,992 18,8 1,600 284 4,446 562 9,058 Mindiana 190 2,992 18,8 1,600 284 4,446 562 9,058 Mindiana 190 2,992 18,8 1,600 284 4,446 562 9,058 Mindiana 190 2,992 18,8 1,600 284 4,446 562 9,058 Mindiana 190 2,993 1772 2,233 300 5,689 11,000 18						152			
Colorado		945	12,677	874				4,389	53,867
Connecticut 90 1,590 64 915 175 2,505 329 5,010 Delaware 26 361 9 306 43 506 78 1,263 District of Columbia 8 97 9 71 39 291 55 459 Florida 1,092 18,125 666 10,328 1,671 18,442 3,429 46,895 Georgia 357 7,397 194 3,389 481 6,835 1,052 17,611 Hawaii 131 1,218 82 720 77 636 290 2,574 Hawaii 131 1,218 82 720 77 636 290 2,574 Hawaii 190 2,992 88 1,620 284 4,446 562 9,058 Iowa 34 646 43 1,120 196 3,005 273 4,771 Kansas 60 1,177 90 1,703 281 3,638 431 6,518 Kentucky 126 2,463 62 903 172 2,323 360 5,689 Louisiana 52 1,181 69 1,669 148 2,399 269 5,249 Majine 31 486 41 540 101 1,246 173 2,272 Maryland 95 1,762 135 1,542 348 3,640 578 6,944 Massachusetts 148 1,882 97 1,269 339 3,919 594 7,070 Michigan 299 4,083 146 2,266 469 6,369 914 12,718 Mississippi 52 996 37 981 131 1,903 220 3,880 Missour 95 2,183 106 1,987 309 4,133 510 8,383 Missour 95 2,183 106 1,987 309 4,133 510 8,383 Missour 26 5,99 101 1,015 163 1,877 299 3,538 Mew Hampshire 68 1,304 56 706 97 1,350 221 3,360 New Hampshire 68 1,304 56 706 97 1,350 221 3,360 New Hampshire 68 1,304 56 706 97 1,350 221 3,360 New Hampshire 68 1,304 56 706 97 1,350 221 3,360 New Hampshire 68 1,304 56 706 97 1,350 221 3,360 New Hampshire 68 1,304 56 706 97 1,350 221 3,360 New Hampshire 68 1,304 56 706 97 1,350 221 3,360 New Hampshire 68 1,304 56 706 97 1,350 221 3,360 New Hampshire 68 1,304 56 706 97 1,350 221 3,360 New Hampshire 68 1,304 56 706 97 1,350 221 3,360 New Hampshire 68 1,602 73 3,40 190 3,025 349 5,967 New Morta 27 29		509		196					14,602
Delaware		90		64		175			5,010
District of Columbia 8 97 9 71 39 291 56 458		26		9	306	43			1,263
Florida		8	97	9	71	39	291	56	459
Georgia 357 7,367 194 3,389 481 6,835 1,032 17,611		1,092	18,125	666	10,328	1,671	18,442	3,429	46,895
Hawaii 131 1,218 82 720 77 636 290 2,574 Mal		357	7,387	194	3,389	481	6,835	1,032	17,611
Idaho	-	131	1,218	82	720	77	636	290	2,574
Illinois		36	747	81	1,328	188	2,297	305	4,372
Indiana		437	5,599	209	2,929	537	7,066	1,183	15,594
Lowa 34 646 43 1,120 196 3,005 273 4,771 Kansas 60 1,177 99 1,703 281 3,638 431 6,518 Kentucky 126 2,463 62 903 172 2,323 360 5,689 Louisiana 52 1,181 69 1,669 148 2,399 269 5,249 Maine 31 486 41 540 101 1,246 173 2,272 Maryland 95 1,762 135 1,542 348 3,640 578 6,944 Massachusetts 148 1,882 97 1,269 339 3,919 584 7,070 Michigan 299 4,083 146 2,266 469 6,369 914 12,718 Minnesota 266 4,141 154 2,102 334 5,168 754 11,411 Mississippi 52 996 37 981 311 1,903 220 3,880 Mossouri 95 2,183 106 1,987 309 4,193 510 8,363 Montana 57 613 79 1,045 163 1,877 299 3,535 Netraska 29 592 24 749 115 1,895 168 3,238 New Hampshire 68 1,304 56 706 97 1,350 221 3,360 New Hampshire 68 1,304 56 706 97 1,350 221 3,360 New Jersey 157 2,647 107 1,561 294 3,992 558 8,200 New Mexico 26 599 101 1,015 158 1,848 285 3,462 North Carolina 227 3,959 134 2,518 433 6,385 7,972 1,074 15,016 North Carolina 227 3,959 134 2,518 433 6,385 794 12,862 Oregon 121 1,399 196 2,453 373 4,193 690 8,045 Pennsylvania 237 4,492 246 2,986 502 6,866 985 14,344 Vermont 19 258 15 2,001 3,988 671 7,893 1,410 17,888 Vermont 19 258 15 2,001 3,988 671 7,893 1,410 17,688 Wisconsin 119 2,087 101 1,541 370 4,832 599 1,045 Ush International 1,440 23,456 388 7,548 916 42,521 2,744 435 5,258 International 1,440 23,456 388 7,548 916 42,521 2,744 435 5,258 International 1,440 23,456 388 7,548 916 44,887 588 6,985 International 1,440 23,456 388 7,548 916 42,521 2,744 43,525 International 1,440 23,456 388 7,548		190	2,992	88	1,620	284	4,446	562	9,058
Kansas 60 1.177 90 1.703 281 3.638 431 6,518 Kentucky 126 2.463 62 903 172 2.323 360 5,689 Louisiana 52 1,181 69 1,669 1148 2.399 269 5,249 Maine 31 486 41 540 101 1,246 173 2,272 Maryland 95 1,762 135 1,542 348 3,640 578 6,944 Missasachusetts 148 1,882 97 1,269 339 3,919 584 7,070 Michigan 299 4,083 146 2,266 469 6,369 914 12,718 Michigan 299 4,083 146 2,266 469 6,369 914 12,718 Missouri 95 2,183 106 1,987 309 4,193 510 8,363 Missouri 95 <t< td=""><td></td><td>34</td><td></td><td>43</td><td></td><td>196</td><td></td><td>273</td><td>4,771</td></t<>		34		43		196		273	4,771
Kentucky 126 2,463 62 903 172 2,323 360 5,689 Louisiana 52 1,181 69 1,669 148 2,399 269 5,249 Marine 31 486 41 540 101 1,246 173 2,272 Maryland 95 1,762 135 1,542 348 3,640 578 6,944 Massachusetts 148 1,882 97 1,269 339 3,919 584 7,070 Michigan 299 4,083 146 2,266 459 6,369 914 12,718 Minnesota 266 4,141 154 2,102 334 5,168 754 11,411 Mississippi 52 996 37 981 131 1,903 220 3,808 Mississippi 52 996 37 981 131 1,193 510 8,333 Mobitana 57		60	1,177	90		281		431	6,518
Louisiana 52		126	2,463	62	903	172	2,323	360	5,689
Maine 31 486 41 540 101 1,246 173 2,272 Maryland 95 1,762 135 1,542 348 3,640 578 6,944 Massachusetts 148 1,882 97 1,269 339 3,919 584 7,070 Michigan 299 4,083 146 2,266 469 6,369 914 12,718 Minsola 266 4,141 154 2,102 334 5,168 754 11,411 Mississippi 52 996 37 981 131 1,903 220 3,880 Missouri 95 2,183 106 1,987 309 4,193 510 8,363 Mortana 57 613 79 1,045 163 1,877 299 3,535 Nebraska 29 592 24 749 115 1,895 168 3,236 New Hampshire 68 1,3	,	52	1,181	69	1,669	148	2,399	269	5,249
Maryland 95 1,762 135 1,542 348 3,640 578 6,944 Massachusetts 148 1,882 97 1,269 339 3,919 584 7,070 Michigan 299 4,083 146 2,266 469 6,369 914 12,718 Minnesota 266 4,141 154 2,102 334 5,168 754 11,411 Missouri 95 2,183 106 1,987 309 4,193 510 8,363 Mortana 57 613 79 1,045 163 1,877 299 3,535 Nebraska 29 592 24 749 115 1,895 168 3,236 New Hampshire 68 1,304 56 706 97 1,350 221 3,360 New Hampshire 68 1,304 56 706 97 1,550 221 3,360 New York 269		31	486	41	540	101	1,246	173	2,272
Massachusetts 148 1,882 97 1,269 339 3,919 584 7,070 Michigan 299 4,083 146 2,266 469 914 12,718 Minnesota 266 4,141 154 2,102 334 5,168 754 11,411 Missispipi 52 996 37 981 131 1,903 220 3,880 Missouri 95 2,183 1006 1,987 309 4,193 510 8,363 Nebraska 29 592 24 749 115 1,895 168 3,236 New Hampshire 68 1,304 56 706 97 1,350 221 3,360 New Hexico 26 599 101 1,015 158 1,484 285 3,482 New York 269 4,406 218 2,938 587 7,672 1,074 15,016 North Dakota 38 1,030 <td></td> <td>95</td> <td>1,762</td> <td>135</td> <td>1,542</td> <td>348</td> <td>3,640</td> <td>578</td> <td>6,944</td>		95	1,762	135	1,542	348	3,640	578	6,944
Michigan 299 4,083 146 2,266 469 6,369 914 12,718 Minnesota 266 4,141 154 2,102 334 5,168 754 11,411 Mississippi 52 996 37 981 131 1,903 220 3,880 Missouri 95 2,183 106 1,987 309 4,193 510 8,363 Montana 57 613 79 1,045 163 1,877 299 3,535 Nebraska 29 592 24 749 115 1,895 168 3,235 Nevada 120 2,028 113 1,516 250 2,494 483 6,038 New Jersey 157 2,647 107 1,561 294 3,992 558 8,200 New Mexico 26 599 101 1,015 158 1,848 285 3,462 North Carolina 38		148	1,882	97	1,269	339		584	7,070
Minnesota 266 4,141 154 2,102 334 5,168 754 11,411 Mississippi 52 996 37 981 131 1,903 220 3,880 Missouri 95 2,183 106 1,987 309 4,193 510 8,363 Montana 57 613 79 1,045 163 1,877 299 3,535 Nebraska 29 592 24 749 115 1,895 168 3,236 New Adda 120 2,028 113 1,516 250 2,494 483 6,038 New Hampshire 68 1,304 56 706 97 1,350 221 3,360 New Jersey 157 2,647 107 1,561 294 3,992 558 8,200 New Mexico 26 599 101 1,015 158 1,848 285 3,462 New York 259 <th< td=""><td></td><td>299</td><td>4,083</td><td>146</td><td>2,266</td><td>469</td><td>6,369</td><td>914</td><td>12,718</td></th<>		299	4,083	146	2,266	469	6,369	914	12,718
Mississippi 52 996 37 981 131 1,903 220 3,880 Missouri 95 2,183 106 1,987 309 4,193 510 8,363 Montana 57 613 79 1,045 163 1,877 299 3,535 Nebraska 29 592 24 749 115 1,895 168 3,236 New Hampshire 68 1,304 56 706 97 1,350 221 3,360 New Hampshire 68 1,304 56 706 97 1,350 221 3,360 New Jersey 157 2,647 107 1,561 294 3,992 558 8,200 New Mexico 26 599 101 1,015 158 1,848 285 3,462 North Carolina 227 3,959 134 2,518 433 6,385 794 12,862 North Carolina 38	_	266	4,141	154	2,102	334	5,168	754	11,411
Missouri 95 2,183 106 1,987 309 4,193 510 8,363 Montana 57 613 79 1,045 163 1,877 299 3,535 Nebraska 29 592 24 749 115 1,895 168 3,236 Newada 120 2,028 113 1,516 250 2,494 483 6,038 New Hampshire 68 1,304 56 706 97 1,350 221 3,360 New Jersey 157 2,647 107 1,561 294 3,992 558 8,200 New Mexico 26 599 101 1,015 158 1,848 285 3,452 New York 269 4,406 218 2,938 587 7,672 1,074 15,016 North Carolina 38 1,030 36 884 61 1,133 135 3,047 Ohio 257		52	996	37	981	131	1,903	220	3,880
Montana 57 613 79 1,045 163 1,877 299 3,535 Nebraska 29 592 24 749 115 1,895 168 3,236 Nevada 120 2,028 113 1,516 250 2,494 483 6,038 New Hampshire 68 1,304 56 706 97 1,350 221 3,360 New Jersey 157 2,647 107 1,561 294 3,992 558 8,200 New York 269 4,406 218 2,938 587 7,672 1,074 15,016 North Carolina 227 3,959 134 2,518 433 6,385 794 12,862 North Dakota 38 1,030 36 884 61 1,133 135 3,047 Ohio 257 4,648 167 2,481 502 7,109 926 14,238 Oklahoma 78		95	2,183	106	1,987	309	4,193	510	8,363
Nebraska 29 592 24 749 115 1,895 168 3,236 New dada 120 2,028 113 1,516 250 2,494 483 6,038 New Hampshire 68 1,304 56 706 97 1,350 221 3,360 New Jersey 157 2,647 107 1,561 294 3,992 558 8,200 New Mexico 26 599 101 1,015 158 1,848 285 3,462 New York 269 4,406 218 2,938 587 7,672 1,074 15,016 North Carolina 227 3,959 134 2,518 433 6,385 794 12,862 North Dakota 38 1,030 36 884 61 1,133 135 3,947 Ohio 257 4,648 167 2,481 502 7,109 926 14,238 Oklahoma 78		57	613	79	1,045	163	1,877	299	3,535
Nevada 120 2,028 113 1,516 250 2,494 483 6,038 New Hampshire 68 1,304 56 706 97 1,350 221 3,360 New Jersey 157 2,647 107 1,561 294 3,992 558 8,200 New Mexico 26 599 101 1,015 158 1,848 285 3,462 New York 269 4,406 218 2,938 587 7,672 1,074 15,016 North Carolina 227 3,959 134 2,518 433 6,385 794 12,862 North Dakota 38 1,030 36 884 61 1,133 135 3,047 Ohio 257 4,648 167 2,481 502 7,109 926 14,238 Oregon 121 1,399 196 2,453 373 4,193 690 8,045 Pennsylvania 2		29				115	1,895	168	3,236
New Jersey 157 2,647 107 1,561 294 3,992 558 8,200 New Mexico 26 599 101 1,015 158 1,848 285 3,462 New York 269 4,406 218 2,938 587 7,672 1,074 15,016 North Carolina 227 3,959 134 2,518 433 6,385 794 12,862 North Dakota 38 1,030 36 884 61 1,133 135 3,047 Ohio 257 4,648 167 2,481 502 7,109 926 14,238 Oklahoma 78 1,457 128 2,003 327 4,022 533 7,482 Oregon 121 1,399 196 2,453 373 4,193 690 8,045 Pennsylvania 237 4,492 246 2,986 502 6,866 985 14,344 Rhode Island		120		113	1,516	250	2,494	483	
New Jersey 157 2,647 107 1,561 294 3,992 558 8,200 New Mexico 26 599 101 1,015 158 1,848 285 3,462 New York 269 4,406 218 2,938 587 7,672 1,074 15,016 North Carolina 227 3,959 134 2,518 433 6,385 794 12,862 North Dakota 38 1,030 36 884 61 1,133 135 3,047 Ohio 257 4,648 167 2,481 502 7,109 926 14,238 Oklahoma 78 1,457 128 2,003 327 4,022 533 7,482 Oregon 121 1,399 196 2,453 373 4,193 690 8,045 Pennsylvania 237 4,492 246 2,986 502 6,866 985 14,344 Rhode Island	New Hampshire	68	1,304		706	97		221	3,360
New Mexico 26 599 101 1,015 158 1,848 285 3,462 New York 269 4,406 218 2,938 587 7,672 1,074 15,016 North Carolina 227 3,959 134 2,518 433 6,385 794 12,862 North Dakota 38 1,030 36 884 61 1,133 135 3,047 Ohio 257 4,648 167 2,481 502 7,109 926 14,238 Oklahoma 78 1,457 128 2,003 327 4,022 533 7,482 Oregon 121 1,399 196 2,453 373 4,193 690 8,045 Pennsylvania 237 4,492 246 2,986 502 6,866 985 14,344 Rhode Island 27 295 12 164 31 447 70 906 South Carolina 86<	·	157	2,647	107	1,561	294	3,992	558	8,200
North Carolina 227 3,959 134 2,518 433 6,385 794 12,862 North Dakota 38 1,030 36 884 61 1,133 135 3,047 Ohio 257 4,648 167 2,481 502 7,109 926 14,238 Oklahoma 78 1,457 128 2,003 327 4,022 533 7,482 Oregon 121 1,399 196 2,453 373 4,193 690 8,045 Pennsylvania 237 4,492 246 2,986 502 6,866 985 14,344 Rhode Island 27 295 12 164 31 447 70 906 South Carolina 86 1,602 73 1,340 190 3,025 349 5,967 South Dakota 24 301 33 621 59 1,050 116 1,972 Texas 750	-								3,462
North Dakota 38 1,030 36 884 61 1,133 135 3,047 Ohio 257 4,648 167 2,481 502 7,109 926 14,238 Oklahoma 78 1,457 128 2,003 327 4,022 533 7,482 Oregon 121 1,399 196 2,453 373 4,193 690 8,045 Pennsylvania 237 4,492 246 2,986 502 6,866 985 14,344 Rhode Island 27 295 12 164 31 447 70 906 South Carolina 86 1,602 73 1,340 190 3,025 349 5,967 South Dakota 24 301 33 621 59 1,050 116 1,972 Tennessee 210 4,096 155 2,401 312 4,291 677 10,788 Texas 750 <	New York	269	4,406	218	2,938	587	7,672	1,074	15,016
Ohio 257 4,648 167 2,481 502 7,109 926 14,238 Oklahoma 78 1,457 128 2,003 327 4,022 533 7,482 Oregon 121 1,399 196 2,453 373 4,193 690 8,045 Pennsylvania 237 4,492 246 2,986 502 6,866 985 14,344 Rhode Island 27 295 12 164 31 447 70 906 South Carolina 86 1,602 73 1,340 190 3,025 349 5,967 South Dakota 24 301 33 621 59 1,050 116 1,972 Tennessee 210 4,096 155 2,401 312 4,291 677 10,788 Texas 750 16,167 656 10,168 1,532 19,468 2,938 45,803 Utah 159	North Carolina							794	12,862
Oklahoma 78 1,457 128 2,003 327 4,022 533 7,482 Oregon 121 1,399 196 2,453 373 4,193 690 8,045 Pennsylvania 237 4,492 246 2,986 502 6,866 985 14,344 Rhode Island 27 295 12 164 31 447 70 906 South Carolina 86 1,602 73 1,340 190 3,025 349 5,967 South Dakota 24 301 33 621 59 1,050 116 1,972 Tennessee 210 4,096 155 2,401 312 4,291 677 10,788 Texas 750 16,167 656 10,168 1,532 19,468 2,938 45,803 Utah 159 2,948 149 2,243 160 2,353 468 7,544 Vermont 19	North Dakota							135	
Oregon 121 1,399 196 2,453 373 4,193 690 8,045 Pennsylvania 237 4,492 246 2,986 502 6,866 985 14,344 Rhode Island 27 295 12 164 31 447 70 906 South Carolina 86 1,602 73 1,340 190 3,025 349 5,967 South Dakota 24 301 33 621 59 1,050 116 1,972 Tennessee 210 4,096 155 2,401 312 4,291 677 10,788 Texas 750 16,167 656 10,168 1,532 19,468 2,938 45,803 Utah 159 2,948 149 2,243 160 2,353 468 7,544 Vermont 19 258 15 210 41 574 75 1,042 Virginia 235 <td< td=""><td>Ohio</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>	Ohio								
Oregon 121 1,399 196 2,453 373 4,193 690 8,045 Pennsylvania 237 4,492 246 2,986 502 6,866 985 14,344 Rhode Island 27 295 12 164 31 447 70 906 South Carolina 86 1,602 73 1,340 190 3,025 349 5,967 South Dakota 24 301 33 621 59 1,050 116 1,972 Tennessee 210 4,096 155 2,401 312 4,291 677 10,788 Texas 750 16,167 656 10,168 1,532 19,468 2,938 45,803 Utah 159 2,948 149 2,243 160 2,353 468 7,544 Vermont 19 258 15 210 41 574 75 1,042 Virginia 235 <td< td=""><td>Oklahoma</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>7,482</td></td<>	Oklahoma								7,482
Pennsylvania 237 4,492 246 2,986 502 6,866 985 14,344 Rhode Island 27 295 12 164 31 447 70 906 South Carolina 86 1,602 73 1,340 190 3,025 349 5,967 South Dakota 24 301 33 621 59 1,050 116 1,972 Tennessee 210 4,096 155 2,401 312 4,291 677 10,788 Texas 750 16,167 656 10,168 1,532 19,468 2,938 45,803 Utah 159 2,948 149 2,243 160 2,353 468 7,544 Vermont 19 258 15 210 41 574 75 1,042 Virginia 235 3,816 185 2,664 565 6,140 985 12,620 Washington 430									8,045
South Carolina 86 1,602 73 1,340 190 3,025 349 5,967 South Dakota 24 301 33 621 59 1,050 116 1,972 Tennessee 210 4,096 155 2,401 312 4,291 677 10,788 Texas 750 16,167 656 10,168 1,532 19,468 2,938 45,803 Utah 159 2,948 149 2,243 160 2,353 468 7,544 Vermont 19 258 15 210 41 574 75 1,042 Virginia 235 3,816 185 2,664 565 6,140 985 12,620 Washington 430 5,635 309 3,988 671 7,893 1,410 17,516 West Virginia 15 278 18 392 76 994 109 1,664 Wisconsin 119									
South Carolina 86 1,602 73 1,340 190 3,025 349 5,967 South Dakota 24 301 33 621 59 1,050 116 1,972 Tennessee 210 4,096 155 2,401 312 4,291 677 10,788 Texas 750 16,167 656 10,168 1,532 19,468 2,938 45,803 Utah 159 2,948 149 2,243 160 2,353 468 7,544 Vermont 19 258 15 210 41 574 75 1,042 Virginia 235 3,816 185 2,664 565 6,140 985 12,620 Washington 430 5,635 309 3,988 671 7,893 1,410 17,516 West Virginia 15 278 18 392 76 994 109 1,664 Wisconsin 119	, ,								906
Tennessee 210 4,096 155 2,401 312 4,291 677 10,788 Texas 750 16,167 656 10,168 1,532 19,468 2,938 45,803 Utah 159 2,948 149 2,243 160 2,353 468 7,544 Vermont 19 258 15 210 41 574 75 1,042 Virginia 235 3,816 185 2,664 565 6,140 985 12,620 Washington 430 5,635 309 3,988 671 7,893 1,410 17,516 West Virginia 15 278 18 392 76 994 109 1,664 Wisconsin 119 2,087 101 1,541 370 4,832 590 8,460 Wyoming 16 268 30 409 95 1,025 141 1,702 US Territories 49 1,053 44 692 80 1,045 173 2,790 Military 1 12 78 2,096 509 4,887 588 6,995 International 1,440 23,456 388 7,548 916 12,521 2,744 43,525									5,967
Texas 750 16,167 656 10,168 1,532 19,468 2,938 45,803 Utah 159 2,948 149 2,243 160 2,353 468 7,544 Vermont 19 258 15 210 41 574 75 1,042 Virginia 235 3,816 185 2,664 565 6,140 985 12,620 Washington 430 5,635 309 3,988 671 7,893 1,410 17,516 West Virginia 15 278 18 392 76 994 109 1,664 Wisconsin 119 2,087 101 1,541 370 4,832 590 8,460 Wyoming 16 268 30 409 95 1,025 141 1,702 US Territories 49 1,053 44 692 80 1,045 173 2,790 Military 1 12<	South Dakota								1,972
Utah 159 2,948 149 2,243 160 2,353 468 7,544 Vermont 19 258 15 210 41 574 75 1,042 Virginia 235 3,816 185 2,664 565 6,140 985 12,620 Washington 430 5,635 309 3,988 671 7,893 1,410 17,516 West Virginia 15 278 18 392 76 994 109 1,664 Wisconsin 119 2,087 101 1,541 370 4,832 590 8,460 Wyoming 16 268 30 409 95 1,025 141 1,702 US Territories 49 1,053 44 692 80 1,045 173 2,790 Military 1 12 78 2,096 509 4,887 588 6,995 International 1,440 23,45	Tennessee								10,788
Vermont 19 258 15 210 41 574 75 1,042 Virginia 235 3,816 185 2,664 565 6,140 985 12,620 Washington 430 5,635 309 3,988 671 7,893 1,410 17,516 West Virginia 15 278 18 392 76 994 109 1,664 Wisconsin 119 2,087 101 1,541 370 4,832 590 8,460 Wyoming 16 268 30 409 95 1,025 141 1,702 US Territories 49 1,053 44 692 80 1,045 173 2,790 Military 1 12 78 2,096 509 4,887 588 6,995 International 1,440 23,456 388 7,548 916 12,521 2,744 43,525	Texas								45,803
Virginia 235 3,816 185 2,664 565 6,140 985 12,620 Washington 430 5,635 309 3,988 671 7,893 1,410 17,516 West Virginia 15 278 18 392 76 994 109 1,664 Wisconsin 119 2,087 101 1,541 370 4,832 590 8,460 Wyoming 16 268 30 409 95 1,025 141 1,702 US Territories 49 1,053 44 692 80 1,045 173 2,790 Military 1 12 78 2,096 509 4,887 588 6,995 International 1,440 23,456 388 7,548 916 12,521 2,744 43,525	Utah								7,544
Washington 430 5,635 309 3,988 671 7,893 1,410 17,516 West Virginia 15 278 18 392 76 994 109 1,664 Wisconsin 119 2,087 101 1,541 370 4,832 590 8,460 Wyoming 16 268 30 409 95 1,025 141 1,702 US Territories 49 1,053 44 692 80 1,045 173 2,790 Military 1 12 78 2,096 509 4,887 588 6,995 International 1,440 23,456 388 7,548 916 12,521 2,744 43,525	Vermont								1,042
Washington 430 5,635 309 3,988 671 7,893 1,410 17,516 West Virginia 15 278 18 392 76 994 109 1,664 Wisconsin 119 2,087 101 1,541 370 4,832 590 8,460 Wyoming 16 268 30 409 95 1,025 141 1,702 US Territories 49 1,053 44 692 80 1,045 173 2,790 Military 1 12 78 2,096 509 4,887 588 6,995 International 1,440 23,456 388 7,548 916 12,521 2,744 43,525	Virginia								12,620
Wisconsin 119 2,087 101 1,541 370 4,832 590 8,460 Wyoming 16 268 30 409 95 1,025 141 1,702 US Territories 49 1,053 44 692 80 1,045 173 2,790 Military 1 12 78 2,096 509 4,887 588 6,995 International 1,440 23,456 388 7,548 916 12,521 2,744 43,525	_								17,516
Wisconsin 119 2,087 101 1,541 370 4,832 590 8,460 Wyoming 16 268 30 409 95 1,025 141 1,702 US Territories 49 1,053 44 692 80 1,045 173 2,790 Military 1 12 78 2,096 509 4,887 588 6,995 International 1,440 23,456 388 7,548 916 12,521 2,744 43,525	West Virginia								1,664
Wyoming 16 268 30 409 95 1,025 141 1,702 US Territories 49 1,053 44 692 80 1,045 173 2,790 Military 1 12 78 2,096 509 4,887 588 6,995 International 1,440 23,456 388 7,548 916 12,521 2,744 43,525	-						,		8,460
US Territories 49 1,053 44 692 80 1,045 173 2,790 Military 1 12 78 2,096 509 4,887 588 6,995 International 1,440 23,456 388 7,548 916 12,521 2,744 43,525									1,702
International 1,440 23,456 388 7,548 916 12,521 2,744 43,525									2,790
International 1,440 23,456 388 7,548 916 12,521 2,744 43,525	Military		12				4,887		6,995
40.005 470.040 7.000 404.770 00.000 054.454 00.404 555.400	,	1,440		388		916			43,525
1014 13,222 13,224 120,200 20,101 000,100	Total	10,965	178,912	7,868	121,773	20,298	254,454	39,131	555,139

^{*642} airmen missing state

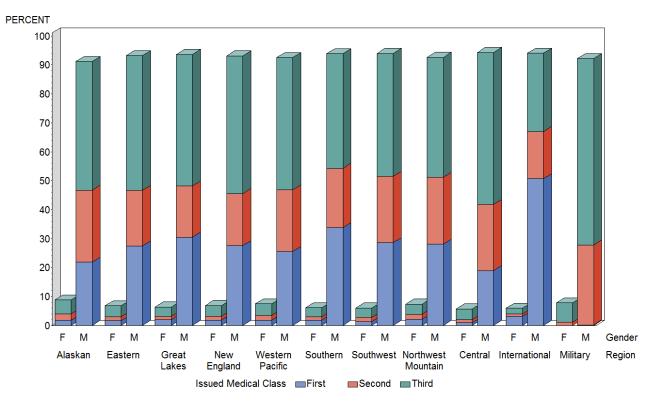


Figure 9. Issued Medical Class by Region and Gender

Table 9. Age as of 12/31/2011 of all Active Airmen by Effective Medical Class

Effective Medical Class	Number of Airmen	Mean	Median	Standard Deviation
First	123,548	43.2	44.2	12.2
Second	89,766	49.1	49.8	13.5
Third	381,598	43.1	41.0	16.5
All Classes	594,912	44.1	43.6	15.4

Table 10. Age Groups of all Active Airmen by Effective Medical Class

Age Group (as of 12/31/2011)	Effectiv	ve Medica Number (Percent)	l Class
(as 01 12/31/2011)	First	Second	Third
16-19	2,673	1,531	10,152
	(2.16)	(1.71)	(2.66)
20-24	6,970	3,854	49,287
	(5.64)	(4.29)	(12.92)
25-29	11,906	4,882	51,682
	(9.64)	(5.44)	(13.54)
30-34	13,765	4,466	38,075
	(11.14)	(4.98)	(9.98)
35-39	14,415	5,010	33,747
	(11.67)	(5.58)	(8.84)
40-44	14,521	11,596	34,561
	(11.75)	(12.92)	(9.06)
45-49	16,921	14,240	26,704
	(13.70)	(15.86)	(7.00)
50-54	18,747	13,148	32,169
	(15.17)	(14.65)	(8.43)
55-59	14,179	10,845	33,088
	(11.48)	(12.08)	(8.67)
60-64	7,590	9,435	28,025
	(6.14)	(10.51)	(7.34)
65+	1,861	10,759	44,108
	(1.51)	(11.99)	(11.56)
Total	123,548	89,766	381,598
	(20.77)	(15.09)	(64.14)

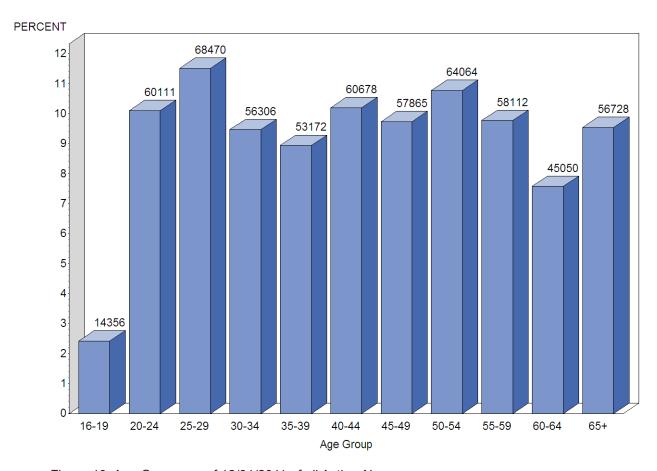


Figure 10. Age Groups as of 12/31/2011 of all Active Airmen

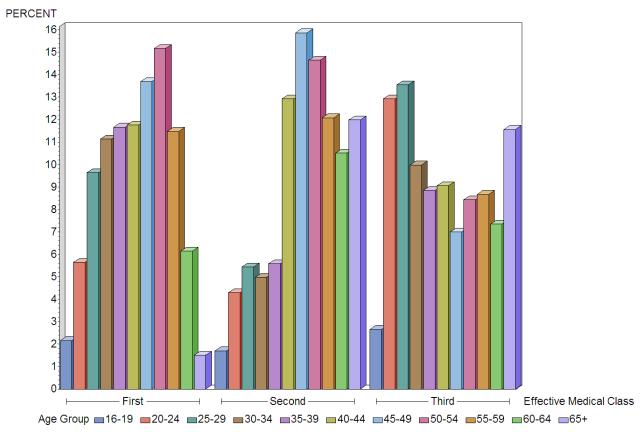


Figure 11. Age Groups as of 12/31/2011 by Effective Medical Class for all Active Airmen

Table 11. Age at Exam Summary Statistics for Active Airmen by Issued Medical Class

Issued Medical Class	Number of Airmen	Mean	Median	Standard Deviation
First	190,125	39.8	39.6	13.5
Second	129,740	43.1	43.1	15.8
Third	275,047	44.5	45.5	17.3
All Classes	594,186	42.7	42.7	15.9

Table 12. Age Groups for all Active Airmen by Issued Medical Class

Age Group (at time of exam)	Issue	d Medical Number (Percent)	Class
(at time of exam)	First	Second	Third
16-19	12,665	7,774	18,963
	(6.66)	(5.99)	(6.89)
20-24	21,254	13,883	32,137
	(11.18)	(10.70)	(11.68)
25-29	22,364	13,550	24,370
	(11.76)	(10.44)	(8.86)
30-34	21,071	10,708	20,702
	(11.08)	(8.25)	(7.53)
35-39	19,545	12,779	23,951
	(10.28)	(9.85)	(8.71)
40-44	19,310	10,672	15,431
	(10.16)	(8.23)	(5.61)
45-49	22,419	13,438	23,423
	(11.79)	(10.36)	(8.52)
50-54	22,388	13,142	28,865
	(11.78)	(10.13)	(10.49)
55-59	16,620	11,498	28,247
	(8.74)	(8.86)	(10.27)
60-64	9,615	10,546	23,567
	(5.06)	(8.13)	(8.57)
65+	2,874	11,750	35,391
	(1.51)	(9.06)	(12.87)
Total	190,125	129,740	275,047
	(31.96)	(21.81)	(46.23)

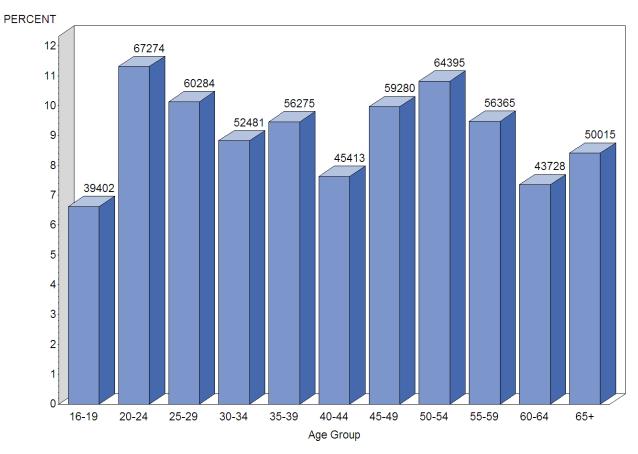


Figure 12. Age Group of all Active Airmen at Time of Exam

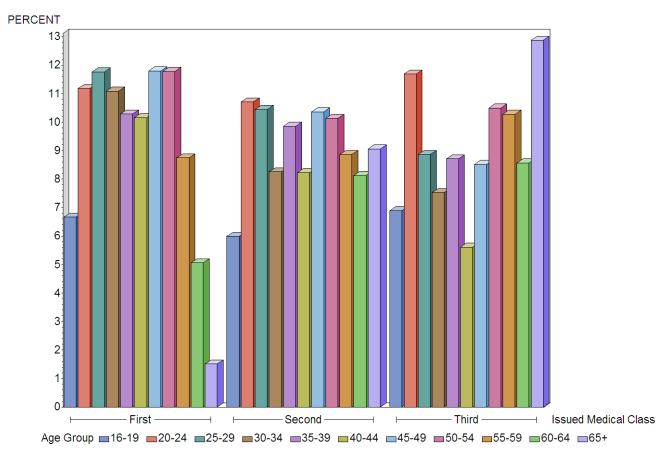


Figure 13. Age Groups by Issued Medical Class for all Active Airmen at Time of Exam

Table 13. Age at Time of Exam by Issued Medical Class and Gender

			Issued Me	edical Class				
Age Group	F	irst	Se	cond	Th	nird	Total	Airmen
	Female	Male	Female	Male	Female	Male	Female	Male
16-19	1,516	11,149	1,032	6,742	2,787	16,176	5,335	34,067
20-24	1,895	19,359	1,300	12,583	3,349	28,788	6,544	60,730
25-29	1,704	20,660	1,214	12,336	2,366	22,004	5,284	55,000
30-34	1,559	19,512	856	9,852	1,759	18,943	4,174	48,307
35-39	1,227	18,318	858	11,921	1,938	22,013	4,023	52,252
40-44	930	18,380	564	10,108	1,051	14,380	2,545	42,868
45-49	929	21,490	640	12,798	1,437	21,986	3,006	56,274
50-54	712	21,676	560	12,582	1,733	27,132	3,005	61,390
55-59	412	16,208	409	11,089	1,592	26,655	2,413	53,952
60-64	87	9,528	251	10,295	1,101	22,466	1,439	42,289
65+	12	2,862	195	11,555	1,226	34,165	1,433	48,582
Total	10,983	179,142	7,879	121,861	20,339	254,708	39,201	555,711

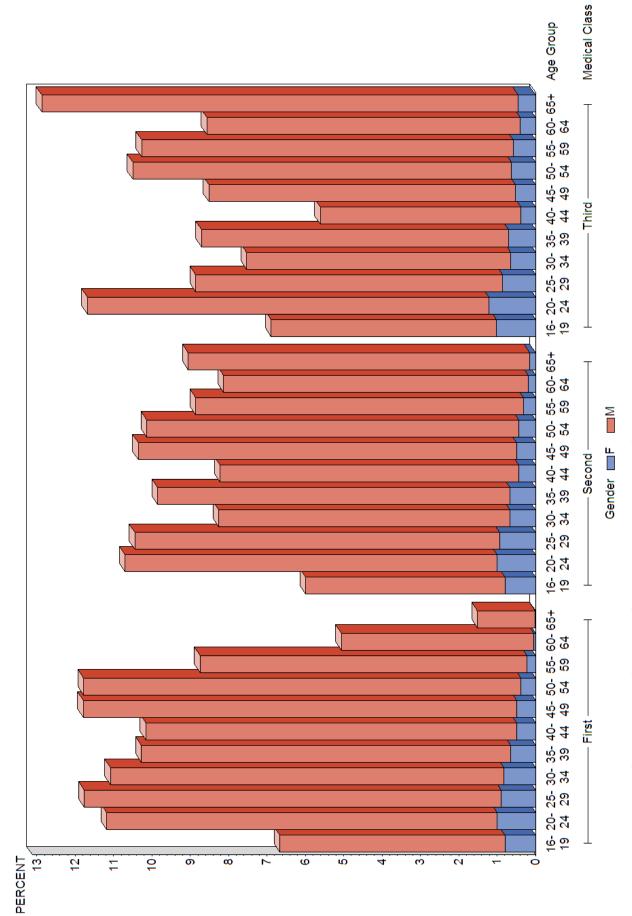


Figure 14. Age Group at Time of Exam by Gender and Issued Medical Class

Table 14. Height (inches) of all Active Airmen by Gender and Issued Medical Class

Issued Medical Class*		Number of Airmen	Mean	Median	Standard Deviation
First	Females	10,983	65.5	65.0	2.8
FIISt	Males	179,133	70.6	71.0	2.7
Cocond	Females	7,879	65.5	65.0	2.9
Second	Males	121,856	70.5	71.0	2.7
Third	Females	20,337	65.5	65.0	3.0
THIIG	Males	254,688	70.5	70.0	2.8
All Classes	Females	39,199	65.5	65.0	2.9
All Classes	Males	555,677	70.5	71.0	2.7

^{*36} airmen missing height

Table 15. Height (inches) by Issued Medical Class and Gender

		I	ssued Me	dical Class	3			
	Fi	rst	Sec	cond	Th	nird	Total /	Airmen
Height*	Female	Male	Female	Male	Female	Male	Female	Male
<59	50	175	47	161	160	295	257	631
59	47	58	45	63	111	142	203	263
60	185	98	152	141	466	296	803	535
61	367	114	254	120	745	288	1,366	522
62	769	166	587	156	1,583	399	2,939	721
63	1,055	366	804	303	2,041	818	3,900	1,487
64	1,529	1,216	1,095	852	2,772	2,072	5,396	4,140
65	1,565	2,636	1,083	1,851	2,725	4,124	5,373	8,611
66	1,655	6,128	1,156	4,507	2,835	9,449	5,646	20,084
67	1,325	10,758	917	7,277	2,285	15,678	4,527	33,713
68	989	16,925	657	11,838	1,706	24,839	3,352	53,602
69	624	21,596	439	14,894	1,107	30,335	2,170	66,825
70	398	27,166	291	18,500	751	39,177	1,440	84,843
71	193	24,383	135	16,940	421	35,286	749	76,609
72	122	26,882	116	18,222	291	36,749	529	81,853
73	50	16,012	42	10,388	121	21,536	213	47,936
74	24	12,338	33	7,852	106	16,329	163	36,519
75	12	6,303	13	3,920	58	8,591	83	18,814
76	11	3,740	6	2,415	29	5,155	46	11,310
77	7	1,257	3	867	10	1,783	20	3,907
78+	6	816	4	589	14	1,347	24	2,752
Total	10,983	179,133	7,879	121,856	20,337	254,688	39,199	555,677

^{*36} airmen missing height and/or gender

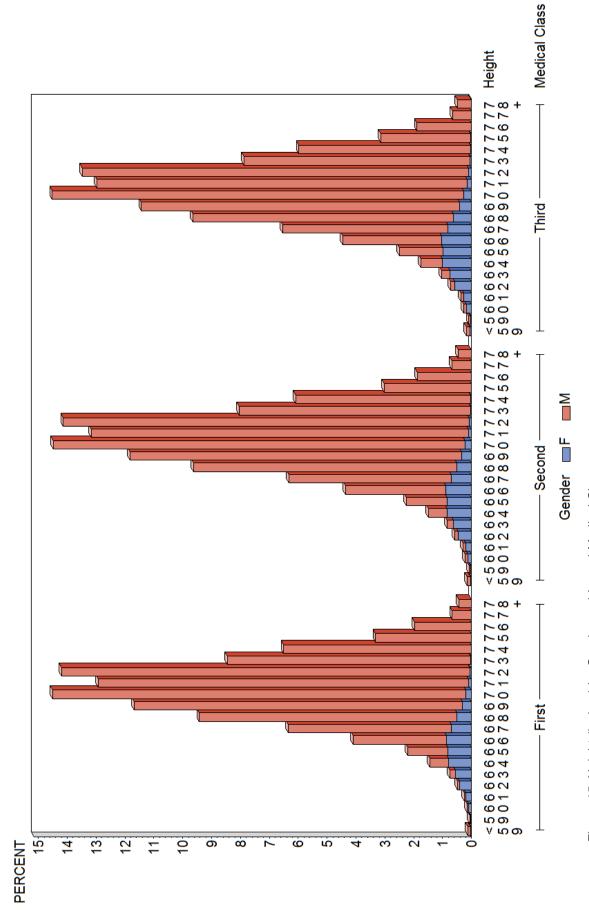


Figure 15. Height (inches) by Gender and Issued Medical Class

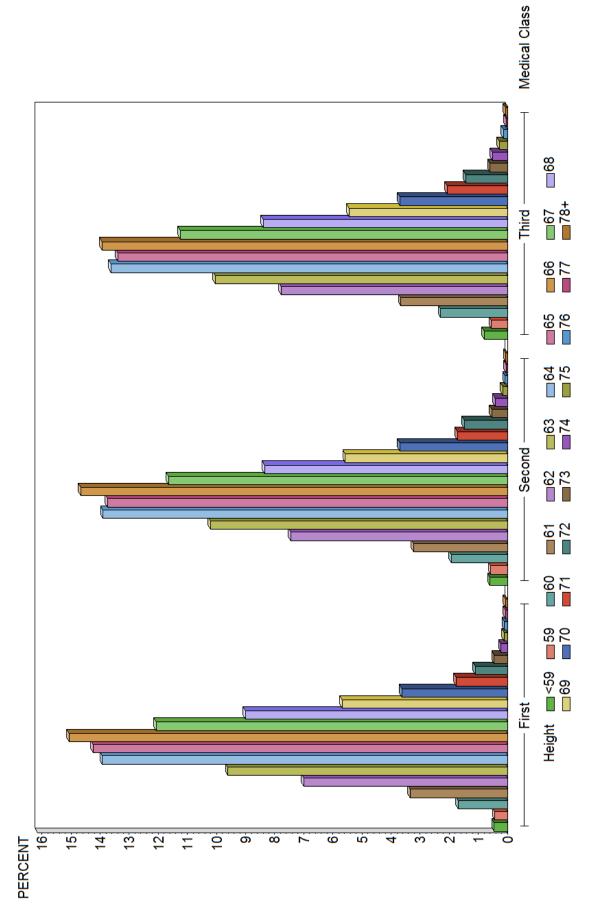


Figure 16. Height (inches) by Issued Medical Class - Females Only

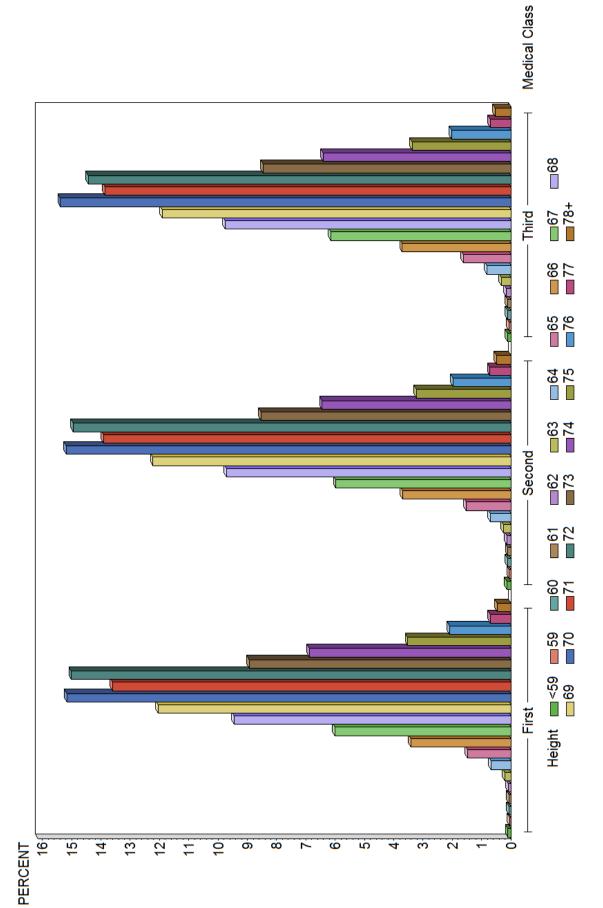


Figure 17. Height (inches) by Issued Medical Class - Males Only

Table 16. Weight (pounds) of all Active Airmen by Gender and Issued Medical Class

Issued Medical Class*		Number of Airmen	Mean	Median	Standard Deviation
First	Females	10,980	144.4	139.0	28.3
FIISt	Males	179,126	190.3	187.0	32.8
Casand	Females	7,878	149.9	143.0	32.3
Second	Males	121,846	194.2	190.0	34.0
Thind	Females	20,335	148.4	142.0	31.1
Third	Males	254,683	193.9	190.0	34.5
All Classes	Females	39,193	147.6	141.0	30.7
All Classes	Males	555,655	192.8	190.0	33.9

^{*64} missing weight

Table 17. Weight (pounds) by Issued Medical Class and Gender

		ı	could Ma	dical Class				
347 . 1 (4				dical Class		• 1	T ()	۸.
Weight*		rst		ond		nird		Airmen
	Female	Male	Female	Male	Female	Male	Female	Male
<100	113	54	53	29	148	56	314	139
100-109	406	172	268	71	702	166	1,376	409
110-119	1,139	614	687	308	1,851	688	3,677	1,610
120-129	1,829	1,747	1,150	967	3,108	2,239	6,087	4,953
130-139	2,058	4,132	1,297	2,412	3,420	5,106	6,775	11,650
140-149	1,625	7,818	1,183	4,538	3,041	10,086	5,849	22,442
150-159	1,214	13,099	844	7,900	2,277	16,996	4,335	37,995
160-169	808	18,653	644	11,347	1,632	24,335	3,084	54,335
170-179	565	23,073	476	14,463	1,260	30,641	2,301	68,177
180-189	410	24,826	378	16,207	853	33,445	1,641	74,478
190-199	284	22,106	257	14,953	600	30,901	1,141	67,960
200-209	158	18,050	185	13,103	438	26,413	781	57,566
210-219	122	13,726	142	10,358	281	20,698	545	44,782
220-229	80	10,186	96	7,812	230	16,281	406	34,279
230-239	70	7,150	73	5,655	164	11,657	307	24,462
240-249	28	4,728	48	3,879	110	8,128	186	16,735
250-259	22	3,251	31	2,696	76	5,529	129	11,476
260-269	22	2,000	17	1,716	49	3,691	88	7,407
270-279	11	1,348	15	1,159	36	2,635	62	5,142
280+	16	2,393	34	2,273	59	4,992	109	9,658
Total	10,980	179,126	7,878	121,846	20,335	254,683	39,193	555,655

^{*64} airmen missing weight and/or gender

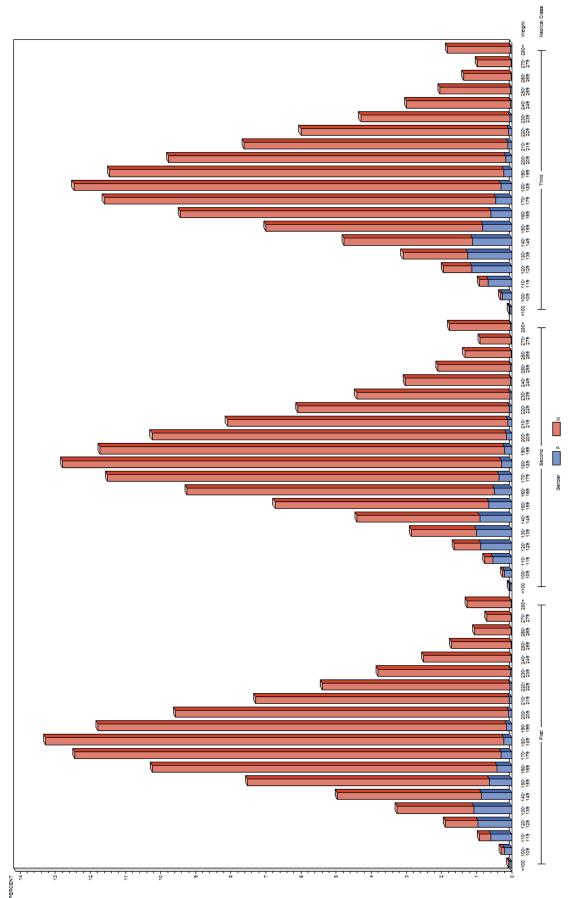


Figure 18. Weight (pounds) by Gender and Issued Medical Class

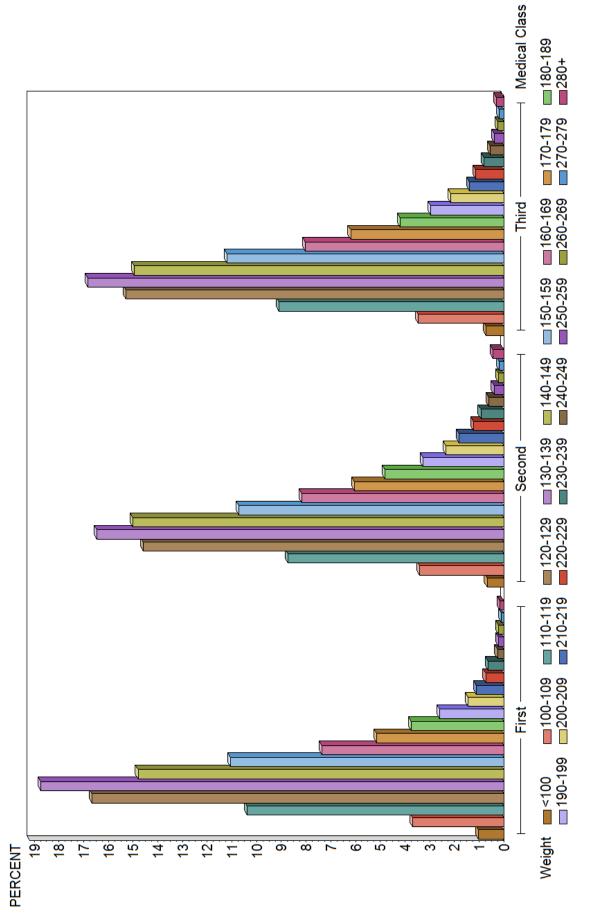


Figure 19. Weight (pounds) by Issued Medical Class - Females Only

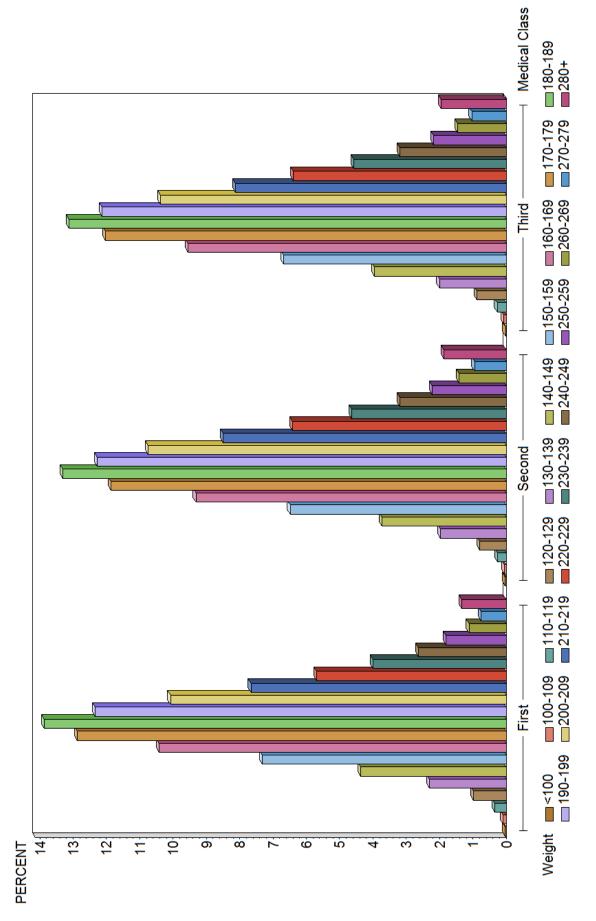


Figure 20. Weight (pounds) by Issued Medical Class - Males Only

Table 18. BMI of all Active Airmen by Gender and Issued Medical Class

Issued Medical Class*		Number of Airmen	Mean	Median	Standard Deviation
First	Females	10,980	23.6	22.7	4.2
FIISt	Males	179,120	26.8	26.4	4.2
Socond	Females	7,878	24.5	23.5	4.8
Second	Males	121,842	27.5	27.0	4.4
Third	Females	20,333	24.3	23.3	4.6
ITIIIG	Males	254,665	27.4	26.9	4.5
All Classes	Females	39,191	24.2	23.2	4.6
	Males	555,627	27.2	26.7	4.4

^{*94} airmen missing BMI

Table 19. BMI Category by Issued Medical Class and Gender

	Issued Medical Class							
BMI*	First		Second		Third		Total Airmen	
	Female	Male	Female	Male	Female	Male	Female	Male
Underweight	515	1,624	285	812	725	1,814	1,525	4,250
Normal	7,349	59,896	4,734	35,310	12,626	75,710	24,709	170,916
Overweight	2,238	83,450	1,852	56,346	4,789	115,692	8,879	255,488
Obese	878	34,150	1,007	29,374	2,193	61,449	4,078	124,973
Total	10,980	179,120	7,878	121,842	20,333	254,665	39,191	555,627

^{*94} airmen missing BMI and/or gender

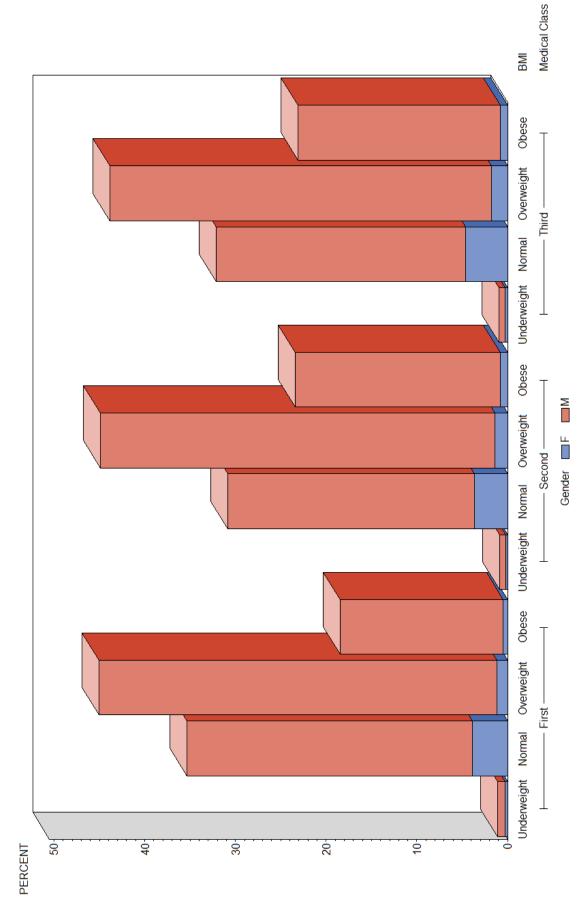


Figure 21. BMI by Gender and Issued Medical Class

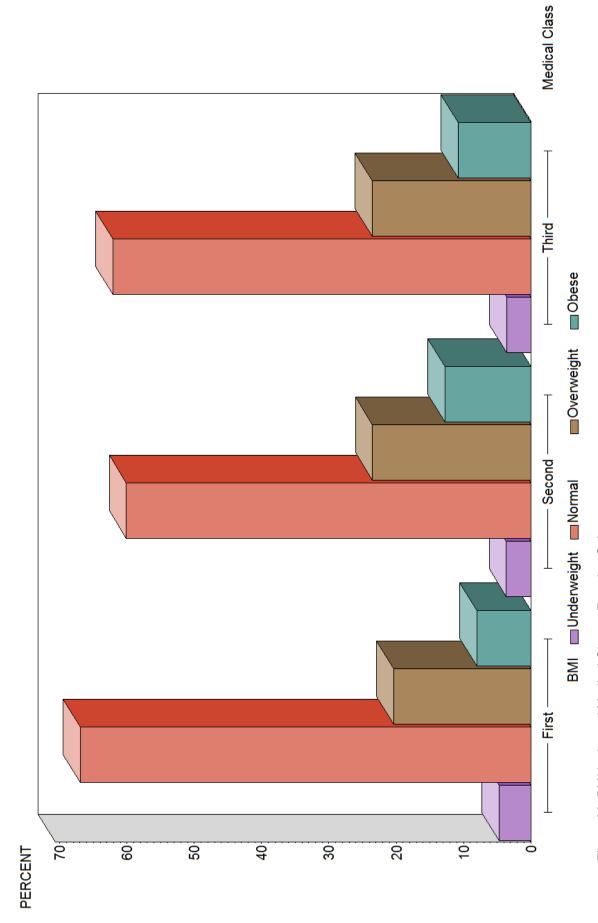


Figure 22. BMI by Issued Medical Class – Females Only

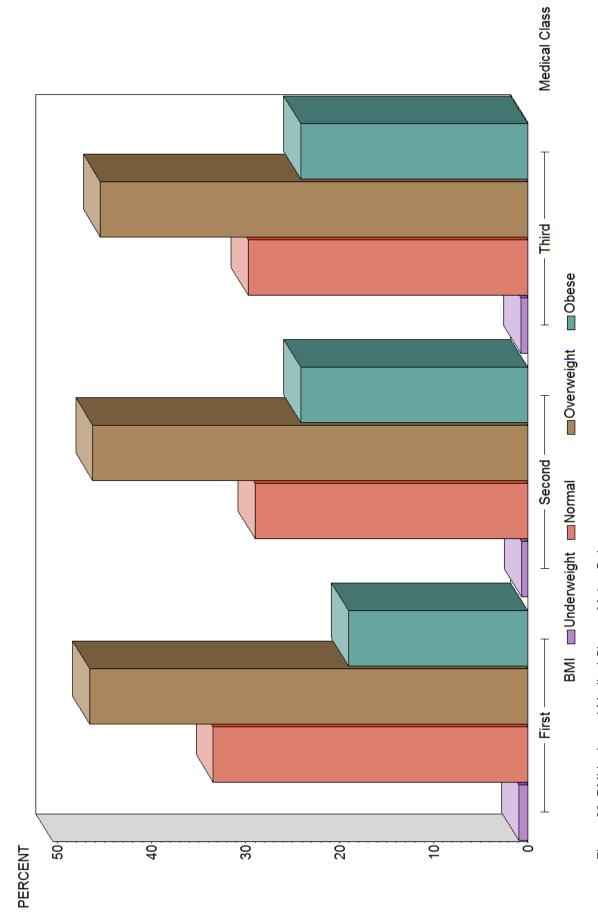


Figure 23. BMI by Issued Medical Class - Males Only

Table 20. Special Issuance by Issued Medical Class, Gender, Age, and BMI

		Special	Issuance	
		Yes	No	
		(Percent)	(Percent)	
	First	9,440 (4.97)	180,685 (95.03)	
Class Issued	Second	7,240 (5.58)	122,500 (94.42)	
	Third	22,781 (8.28)	252,266 (91.72)	
Gender	Female	1,610 (4.11)	37,591 (95.89)	
Gender	Male	37,851 (6.81)	517,860 (93.19)	
	16-19	525 (1.33)	38,877 (98.67)	
	20-24	711 (1.06)	66,563 (98.94)	
	25-29	866 (1.44)	59,418 (98.56)	
	30-34	1,049 (2.00)	51,432 (98.00)	
	35-39	1,363 (2.42)	54,912 (97.58)	
Age at Exam	40-44	2,054 (4.52)	43,359 (95.48)	
	45-49	3,421 (5.77)	55,859 (94.23)	
	50-54	5,394 (8.38)	59,001 (91.62)	
	55-59	6,443 (11.43)	49,922 (88.57)	
	60-64	6,594 (15.08)	37,134 (84.92)	
	65+	11,041 (22.08)	38,974 (77.92)	
DMIX	Underweight	113 (1.96)	5,662 (93.04)	
	Normal	8,316 (4.25)	187,309 (95.75)	
BMI*	Overweight	18,254 (6.90)	246,113 (93.10)	
	Obese	12,770 (9.90)	116,281 (90.10)	
Total		39,461 (6.63)	555,451 (93.37)	

^{*94} airmen missing BMI

Percent with Special Issuance

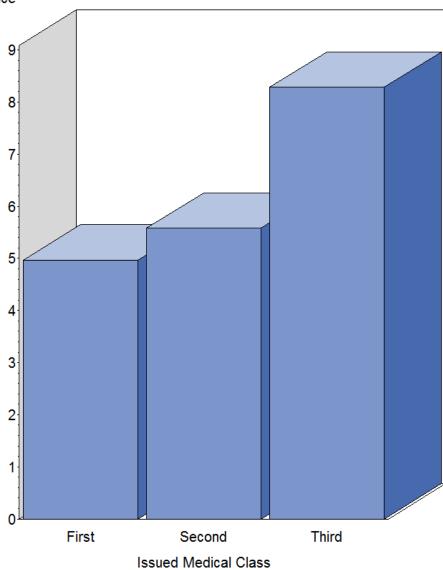


Figure 24. Special Issuance by Issued Medical Class

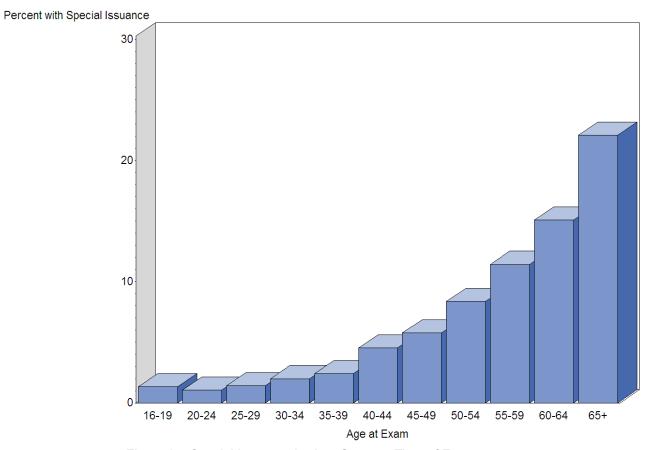


Figure 25. Special Issuance by Age Group at Time of Exam

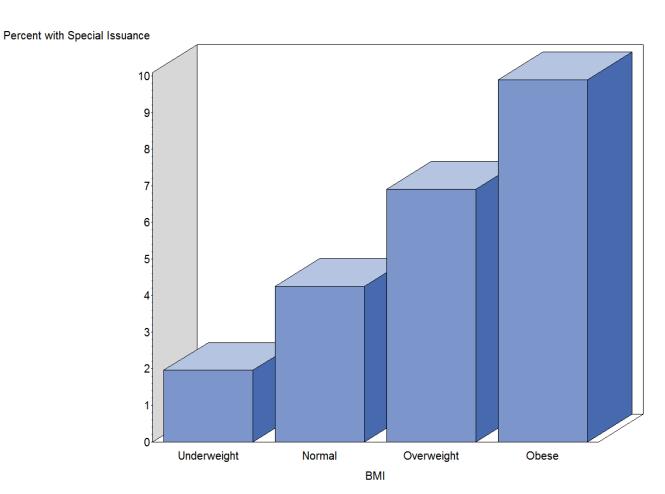


Figure 26. Special Issuance by BMI Category

Table 21. Top 15 Reported Medical Conditions

Pathology Description	Number	Percent
Hypertension with medication	65,902	11.08
Other miscellaneous allergic conditions*	38,938	6.55
Hernias – inguinal, femoral, umbilical, hiatal	31,235	5.25
Urolithiasis – stones or calculus of kidney, ureter, bladder	23,990	4.03
Male genital system – prostatic, varicocele, hydrocele, transurethral resection of prostate (TURP), spermatocele, benign prostatic hypertrophy (BPH)	22,558	3.79
Other esophagus, stomach, and duodenal conditions – severe gastritis, esophageal reflux, achalasia, GERD, gastroplasty, dysphagia, dyspepsia, thrombus abdomen aorta#	22,187	3.73
Other skin conditions – includes acne, abnormal pigmentation, vitiligo, psoriasis, keratosis, neurofibroma, (basal cell carcinoma), adenoma, ganglio neuroma, fibroma, fibroadenoma, neuroma, Morton's neuroma, hemangioma [‡]	15,660	2.63
Ruptured intervertebral disk, nucleus pulposus, spinal fusion, laminectomy and spinal stenosis, compression disc, other back surgeries	15,128	2.54
Hay fever	15,031	2.53
Other lower extremities conditions – operations, fractures, dislocation, knee replacement, knee reconstruction, ACL reconstruction§	14,769	2.48
Asthma	12,777	2.15
Neuroses – hysterical, hysterical-conversion type, hysterical-dissociative type, phobic, neurasthenic, depersonalization, hypochondriacal, adjustment disorder and other neurosis	11,171	1.88
Other general heart pathology (abnormal ECG, open heart surgery, etc.). Wolff-Parkinson-White syndrome, ablation, AV block, right bundle branch block, left bundle branch block [†]	10,288	1.73
Murmur – includes functional or physiological	10,086	1.70
Traumatic brain injury, concussion, amnesia, coma (30 minutes or more), loss of memory	10,010	1.68

^{*} Excludes hay fever and asthma

[#] Excludes ulcers, gastrectomy, lapband staple bypass, gastric bypass, hernias, esophageal varices

[‡] Excludes dermatitis, pilonidal cyst, significant scarring, melanoma, squamous cell carcinoma

[§] Excludes deformity of toes, foot, or leg, diseases (synovitis, arthritis, bursitis, osteomyelitis, neoplasms, polymyalgia rheumatica, etc.), rheumatoid arthritis, unstable knee (locked knee, herniated meniscus, no patella)

[†] Excludes cardiomyopathy, pacemaker, cardiac stents, cardiac angioplasty

Table 22. Medical Conditions by Issued Medical Class

			Issued Medical Class			
		First	Second	Third	Total	
Vision	Color vision deficiency	1,557 (0.82)	924 (0.71)	1,784 (0.65)	4,265 (0.72)	
VISIOII	Monocular vision	278 (0.15)	374 (0.29)	1,328 (0.48)	1,980 (0.33)	
	Lung transplant	(0.00)	1 (0.00)	(0.00)	5 (0.00)	
Transplants	Heart transplant	0 (0.00)	0 (0.00)	4 (0.00)	4 (0.00)	
Transplants	Liver transplant	5 (0.00)	5 (0.00)	43 (0.02)	53 (0.01)	
	Kidney transplant	35 (0.02)	28 (0.02)	71 (0.03)	134 (0.02)	
	Myocardial infarction	562 (0.30)	347 (0.27)	2,135 (0.78)	3,044 (0.51)	
	Coronary angioplasty with a stent	771 (0.41)	460 (0.35)	3,063 (1.11)	4,294 (0.72)	
	Coronary angioplasty procedure	199 (0.10)	153 (0.12)	726 (0.26)	1,078 (0.18)	
Cardiac	Coronary artery bypass surgery	346 (0.18)	243 (0.19)	1,925 (0.70)	2,514 (0.42)	
Cardiac	Implanted pacemaker	62 (0.03)	55 (0.04)	319 (0.12)	436 (0.07)	
	Aortic valve conditions*	510 (0.27)	373 (0.29)	1,336 (0.49)	2,219 (0.37)	
	Mitral valve conditions#	683 (0.36)	462 (0.36)	1,682 (0.61)	2,827 (0.48)	
	Hypertension with medication	13,423 (7.06)	13,594 (10.48)	38,885 (14.14)	65,902 (11.08)	

Table 22 (continued). Medical Conditions by Issued Medical Class

		Medical Class Issued			Total
		First	Second	Third	rotar
	Alcohol abuse/dependence	1,820 (0.96)	958 (0.74)	1,710 (0.62)	4,488 (0.75)
	Drug abuse/dependence	711 (0.37)	551 (0.42)	758 (0.28)	2,020 (0.34)
Alcohol and Drugs	Alcohol/Drug case monitored	970 (0.51)	73 (0.06)	15 (0.01)	1,058 (0.18)
	Alcohol related offense [‡]	10,115 (5.32)	7,456 (5.75)	13,773 (5.01)	31,344 (5.27)
	Drug related offense/misuse§	526 (0.28)	566 (0.44)	930 (0.34)	2,022 (0.34)
Other conditions of interest	Sleep apnea	1,541 (0.81)	1,255 (0.97)	2,955 (1.07)	5,751 (0.97)
	Applied for SSRI use	41 (0.02)	32 (0.02)	148 (0.05)	221 (0.04)
	SSRI special issuance	19 (0.01)	5 (0.00)	41 (0.01)	65 (0.01)
	Diabetes [†]	1,015 (0.53)	1,375 (1.06)	4,486 (1.63)	6,876 (1.16)

^{*} Includes aortic valvular disease, aortic stenosis, aortic regurgitation, aortic insufficiency, bicuspid aortic valve, also replacement, ruptured aorta or lacerated, aortic bruit

[#] Includes mitral valve disease, mitral stenosis, mitral regurgitation, mitral insufficiency. Does not include valve replacement.

[‡] Includes DUI, DWI, public intox, wet/reckless, .04-.09 blood alcohol

[§] Includes drug offenses and positive drug test other than Drug Industry Program (Failed Drug Testing)

[†] Controlled by hypoglycemic drugs or insulin